

YUDEN-5H-A

Intelligent Display Controller



PRODUCT APPLICATION

- Accuracy $\pm 0.1\%$ F.S., ± 1 digit (direct current/ potentiometer / resistance/ PT-100/ load cell); $\pm 0.2\%$ F.S.; ± 1 digit (alternating current)
- Measuring lots of signal-direct/ alternating voltage (current) / potentiometer/ resistance/ transmitter / PT100/ load cell.
- High brightness of red LED, character height is 0.8", display -19999~99999.
- Zero setting with automatic, 2~4 Alarms (hi or lo) programmable. Analogue output, OPRS485 (the above options can exist together)
- High stability, non-flammable case(PC) and high safety

YUDEN-5H-A

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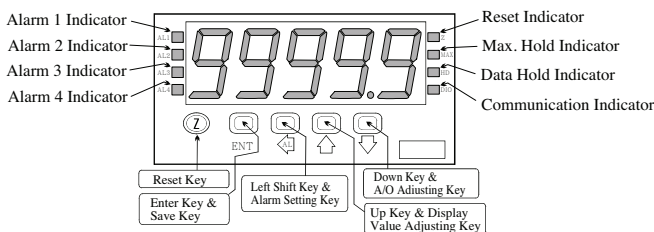
N

A

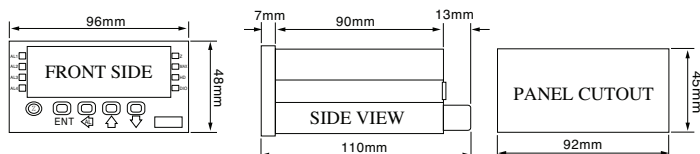
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Input Type	Voltage	Current	3 Wire Potentiometer	RTD (PT-100)	Load Cell	Power Supply	Alarm Output	Analog Output	RS485
D : DC A : AC AVG M : AC TRMS P : 3 Wire potentiometer I : 2 wire resistor T : RTD(PT-100) L : Load cell 2 : 2/3 Wire sensor 4 : 4 wire sensor	V1 : 0~50mV V2 : 0~5mV V3 : 1~5mV V4 : 0~10mV V5 : 0~36mV V6 : 0~300mV V7 : 0~600mV VO : OPTION	A1 : 0~20 μ A A2 : 0~20 μ A A3 : 0~2mA A4 : 0~20mA A5 : 0~200mA A6 : 4~20mA A7 : 0~2A A8 : 0~5A A9 : 0~10A AO : OPTION	P1 : 500 Ω ~10K Ω P2 : 10 Ω ~100K Ω P3 : 100 Ω ~1K Ω PO : OPTION 2 wire Resistor I1 : 0 Ω ~10K Ω I2 : 0 Ω ~100K Ω I3 : 0 Ω ~1K Ω I4 : 0 Ω ~10K Ω I5 : 0 Ω ~100K Ω IO : OPTION	T1 : -50~+50 $^{\circ}$ C T2 : -100~100 $^{\circ}$ C T3 : -200~200 $^{\circ}$ C T4 : 0~600 $^{\circ}$ C TO : OPTION	L1 : 1mV/V EX.5V L2 : 2mV/V EX.5V L3 : 3mV/V EX.5V L4 : 1mV/V EX.10V L5 : 2mV/V EX.10V L6 : 3mV/V EX.10V LO : OPTION	A : AC/DC 100~240V B : DC12V C : DC24V D : DC30~90V	N : Non R2 : 2 RELAY R3 : 3 RELAY R4 : 4 RELAY O2 : 2 O.C O3 : 3 O.C O4 : 4 O.C	N : Non A : 4~20mA V : 0~10V O : OPTION	N : Non Y : Yes

Dimension



Connection Diagram



Technique Sheet

Back up memory.....EEPROM
 Accuracy..... $\pm 0.1\%$ F.S.; ± 1 digit (direct current/ potentiometer/ resistance/ PT-100/ load cell); $\pm 0.2\%$ F.S., ± 1 digit (alternating current)
 Display screen.....high brightness of red LED, character height 0.8"
 Sampling time..... 16 cycles/ sec
 Display range.....-19999~99999
 Zero point adjustment.....-19999~99999
 Overload indication.....(-)doFL / ioFL
 Polarity indication..... Automatic with "-" indication
 Parameter setting.....push buttons
 Alarm action..... \geq (Hi) on, $<$ (Lo)on
 Alarm run delay time.....0~99sec
 Relay contact.....AC277V/7A; DC 30V/7A
 Analogue output resolution..... 15bit
 Analogue output response time..... < 250ms (0~90%)
 Analogue output capability.....voltage < 20mA; current <10V
 Communication..... RS485 Modbus RTU mode
 Baud rate..... 19200/ 9600/ 4800/ 2400bps
 Temperature coefficient..... 100ppm/ $^{\circ}$ C (0~60 $^{\circ}$ C)
 Working ambient.....0~60 $^{\circ}$ C, 20~90%rh (non-condensing)
 Storage condition.....-10~70 $^{\circ}$ C, 20~90%rh (non-condensing)
 Power supply..... AC/DC100~240V; DC12/ 24/ 30~90V
 Power consumption..... <8.5VA (all function output)
 Isolation voltage capacity..... 1.5KVAC/ 1min(input/power)
 Input impedance..... voltage >2V for 20K Ω /V; $\leq 2V$ for >200M Ω current $\geq 0.2A$ at 100mV; <0.2A at 1V